

Title (en)

Fracturing method for stimulation of wells.

Title (de)

Methode zum Frakturieren zur Stimulierung von Bohrlöchern.

Title (fr)

Procédé de fracture pour stimuler des puits de forage.

Publication

EP 0150112 A2 19850731 (EN)

Application

EP 85300351 A 19850118

Priority

US 57273284 A 19840120

Abstract (en)

A method of fracturing a subterranean formation with a stabilised foamed fracturing fluid comprising from about 30 percent to in excess of about 95 percent by volume of carbon dioxide, with the remainder comprising a substantially anhydrous liquid and a selected surfactant. The foam is formed in situ by injection of a stabilised liquid-liquid emulsion containing liquid carbon dioxide into a well bore penetrating the formation. The temperature and pressure of the emulsion is controlled to maintain the carbon dioxide in the liquid phase during injection into the well bore. Thereafter, the carbon dioxide is heated by the subterranean formation to a temperature above about 88°F (31°C) at which time the stabilised emulsion spontaneously forms a high quality stabilised foam.

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E21B 43/26

IPC 8 full level

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Cited by

RU2763192C1; GB2199869A; US4964329A; GB2199869B; US10457857B2; WO9214907A1

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